

ENGINE PERFORMANCE MEASUREMENT MONITOR

ALL SIZES OF VESSELS | DIESEL TRUCKS AND TRAINS | POWER GENERATION PLANTS



KRAL

Powerful, yet easy-to-use solution, for energy saving

The Op-HMI is a low-cost and easy-to-use HMI control panel engineered to optimize day-to-day operations.

Suitable for marine, transportation and industrial environments, this 10.1" multi-touch screen can be installed anywhere.

It shows the real-time values of an array of monitoring instruments over the Modbus communication protocol and it can also transfer data to a main PLC.

The Op-HMI is both a display and a configuration tool. In Set-up mode, it provides great assistance for a quick-access to the monitoring system structure and instrumentation components.

The Op-HMI optional reporting module generates reports triggered by time or GPS position radius.

Main features

- + Modular fuel measurement system for KRAL flowmeters
- + Compatible with Binsfeld Engineering torque meters
- + Intuitive data display and configuration
- + Quick and trouble-free installation
- + Automatic reports generation based on time or location

Specifications	Op-HMI
Display	LCD 10.1 inch. 1920x1200, Capacitive Touch, Dimmable
Performance parameters	2.08 GHz CPU, 4GB DDR3 memory
Operating system	Windows 7, Embedded
Hard Drive	32GB SSD
Communication	OpModules: Modbus RTU RS-485 Master PLC: Modbus RTU Slave
Connectors	Power : Jack, Communication: USB and RJ45
Power requirements	12 - 24 VDC
Operating temperature	41°F to 104°F (5°C to 40°C)
Dimensions (L x W x H)	11.36" x 8.06" x 2.25" (279 mm x 203 mm x 57 mm)

A Compact Informative Display for Engine Monitoring

VERSATILITY | SCALABILITY | PRECISION | RELIABILITY



Dashboard View

For a quick overview of performance data in day or night mode



Graph Screen

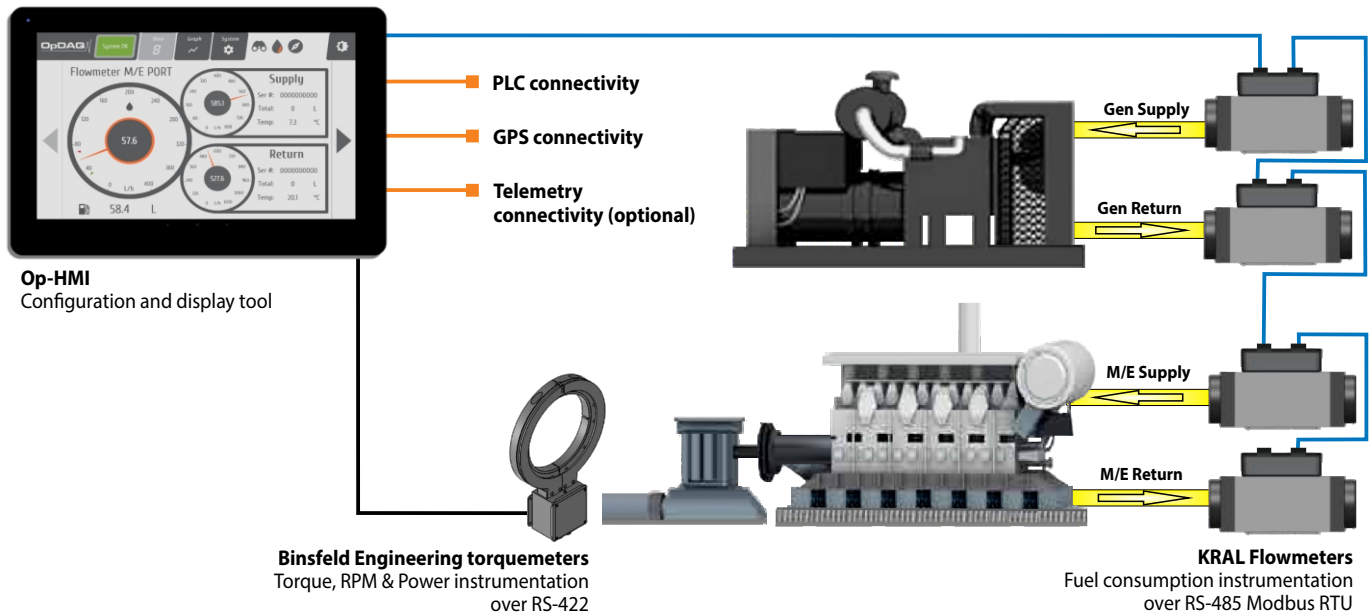
Two sets of data can be displayed for performance comparison



Map Screen

Real-time displays the vessel position and speed over ground

Suggested system configuration



Value Based Performance Measurements

- + Fuel consumption rate
- + Engine torque, RPM and power
- + Specific fuel consumption
- + Speed over ground
- + Flow direction and temperature
- + Engine operating hours
- + And much more

Reporting Function (optional)

- + Telemetry connectivity for reporting over
 - + Internet
 - + Cellular and Satellite Modems
- + Easy to understand reports
 - + Daily reports
 - + Trip reports (manual)
 - + GPS position triggered reports